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THIE UNIVERS OF AMIERICAL

TO AULTO WHOM THESE: PRESENTS SHALL COME:

Pioneer Hi-Bred International, Inc.

MICCORS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE CHIT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR RETING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROFITE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'GC-204'

In Testimone Thereof, I have hereunto set my hand and caused the seal of the Hunt Inviery Frotection Office to be affixed at the City of Washington, D.C. this first day of March, in the year two thousand and five.

Attack

Commissioner
Plant Variety Protection Office
Aminuthryal Marketica Service

Agriculture

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)

				T		77.707
NAME OF OWNER Pioneer Hi-Bred International, Inc.		. ·		2. TEMPORARY DESIGNAT EXPERIMENTAL NAME GC-204	TION OR	2. VARIETY NAME GC-204
4. ADDRESS (Street and No., or R.F.D.	No., City, State, and ZIP Code,	, and Country)		5. TELEPHONE (include	area code)	FOR OFFICIAL USE ONLY
7100 N. W. 62 nd Ave. P.O. Box 1000 Johnston, IA 50131-1000 USA				(515) 253-587 6. FAX (include area cod (515) 334-688	20 e)	OPONUMBERO 176
			 			1
7. IF THE OWNER NAMED IS NOT A "PERS ORGANIZATION (corporation, partnership Corporati	association, etc.)	1	RATED, GIVE CORPORATION OWA	9. DATE OF INCORPORATI		3/8/00
Jean-M-Bromert STEVE-Pioneer Hi-Bred International, 7100 N.W. 62 nd Avenue P.O. Box 1000 Johnston, IA 50131-1000 USA	CALLISTEIN	VE IN THIS APPLICATION 4/12/04 LAL	. (First person listed will	receive all papers)		FILING AND EXAMINATION FEES: \$ 2450 RECTOR DATE 3 / 100 CERTIFICATION FEE: \$ 432.00
11. TELEPHONE (Include area code) (515) 253-5870	12. FAX (include area co	i i	E-MAIL bromert@phibr	red.com	14. CROP	KIND (Common Name) Cotton
18. CHECK APPROPRIATE BOX FOR EACH reverse) a. Exhibit A. Origin and Breeding b. Exhibit B. Statement of Distinct c. Exhibit C. Objective Description d. Exhibit D. Additional Description e. Exhibit E. Statement of the Bas f. Voucher Sample (2,500 viable u verification that tissue culture wirepository) g. Filing and Examination Fee (\$2,500 viable u verification that tissue culture wirepository) 22. HAS THE VARIETY (INCLUDING ANY HAFROM THIS VARIETY BEEN SOLD, DISPOTHER COUNTRIES? YES IF YES, YOU MUST PROVIDE THE DATE FOR EACH COUNTRY AND THE CIRCUIT COUNTRY CIRCUIT CIRCUI	History of the Variety ness of Variety n of the Variety (Optional) is of the Owner's Ownership intreated seeds or, for tuber pr il be depositied and maintained 450), made payable to "Treasi Protection Office) RVESTED MATERIAL) OR AL DSED OF, TRANSFERRED, O	opagated varieties, d in an approved public urer of the United HYBRID PRODUCED DR USED IN THE U.S. OR ON, TRANSFER, OR USE ce indicated on reverse.)	20. DOES THE OVARIETY BE IF YES, WHICE 21. DOES THE OVER	SEED? See Section 83(a) or and 21 below) WINER SPECIFY THAT SEED IN THAT THE CITY ON THE COUNTRY, DATE OF FILING COUNTRY, DAT	THE VARIETY THE V	PO (If 'no," go to item 22) YES NO REGISTERED CERTIFIED YES NO REGISTERED CERTIFIED Indicated on the reverse.) YEROTECTED BY INTELLECTUAL NT)? AND ASSIGNED erse.)
The under propagated variety a tissue culti- The under signed owner(s) is(are) the owner and is entitled to protection under the provi Owner(s) is(are) informed that false representations.	r of this sexually reproduced o sions of Section 42 of the Plar	or tuber propagated plant w nt Variety Protection Act.	ariety, and believe(s) th			
	Broment		SIGNATURE OF C	WNER		
NAME (Please print or type) Jean M. Bromert			NAME (Please prin	t or type)		
CAPACITY OR TITLE Corporate Patent Counsel	DATI	-6-00	CAPACITY OR TIT	le		DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,450 (\$300 filling fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial application will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking material to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuant of the certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 21. See Section 83 of the Act for the Contents and Term of Plant Variety Protection.
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filling date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

March 15th , 1999 USA

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data source gathering and maintaining the data needed, and completing and reviewing the collection of information.

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S&T-470 (2-99) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (6-98) which is obsolete.

INTRODUCTION

In cooperation with Helaseed S.A. of Greece, which is a subsidiary of Pioneer Hybrid International, Inc. Germain's Cotton Seeds, Inc. has submitted under this cover a request for Plant Variety Protection on the following varieties: GC-120, GC-204, GC-251, and GC-271. These proprietary varieties developed by Germain's has received OECD certification and will be marketed in Greece under the following synonyms: ALPINA (GC-120), FOTINI (GC-204), SOFIA (GC-251), and BRAVADA (GC-271).

All of these varieties were genetically manipulated from Upland germ plasm, which usually produces progeny that has lower fiber strength then the approved Acala varieties commercially grown in California.

Since California growers were restricted by state law from planting Upland varieties in San Joaquin Valley until 1999, most of Germain's trial data included the San Joaquin Cotton Board standard, MAXXA, as a check variety.

As a consistent source of variety information outside of California, Germain's has submitted Upland varieties for testing in the University of Arkansas trial since 1990.

ORIGIN AND BREEDING HISTORY OF GERMAIN'S GC-204

Germain's variety GC-204 was derived from a cross, GC-303 X GC-9033. GC-303 was selected out of the progeny of a three parent cross (GC-210 X DPL-50)X DPL-90, GC-210 (PVP No. 9300098) was developed from the non-commercial breeding line SB3-3 released by USDA Cotton Research Station, Shafter, CA. DPL-50 (PVP No. 8400154) was a Delta-Pine and Land Co. variety, and DPL-90 (PVP No. 8100163) was released by Delta-Pine and Land Co. in the 1980's. GC-9033 was developed from a cross, DPL-30 X Coker 304.

A chronological scheme of crossing, breeding and pedigree selection and testing is given below.

Year	Generation/ Strain	Procedure
1992	Parental Cross	Cross GC-303 X GC-9033
1992-93 (winter)	F2	Fl seeds grown in greenhouse and F2 seed bulked.
1993	F3	Single plant selections out of F3 plant.
1994	F4	Plant-to-row progeny evaluation. Based on yield potential, fiber quality, uniformity within progeny, resistance to disease (i.e. Verticillium wilt) bulk F5 seed from Potential progenies.
1995	F5	Comparison of progenies. Seed from potential progenies was bulked to establish initial stock for strain tests.
1996	GC-204	Germain's Advanced Strains Test conducted at Buttonwillow, California. (See Table 1)
1997	GC-204	University of Arkansas Advanced Strain Tests conducted at Clarksdale, Arkansas, and Marriana, Arkansas. (See Tables 2 and 3). Germain's Cotton Stains Test conducted at Buttonwillow, California. (See Table 4)
1998	GC-204	Germain's Advanced Variety Test, conducted at Farming "D" in Five Points, California. (See Table 5)

Exhibit A: Origin and Breeding History Additional Information

Variety: GC-204

GC-204 was developed using a pedigree breeding selection scheme. All selections during the breeding phase were visual evaluations of phenotype. These visual evaluations were for yield potential, uniformity within the progeny row for plant height, and for resistance to disease (especially Verticillium wilt).

An individual progeny row was visually identified during the 1995 season as having superior yield, good verticillium wilt tolerance, and was uniform. This line was named GC-204.

Statement of Uniformity and Stability

GC-240 was evaluated in many environments by the staffs of Germain's Cotton Seed, Inc., and many public researchers beginning in 1995. No off-types were detected and no variants were noted in the variety.

GC-204 has been uniform and stable for the nine year period from 1995 to the present.

GC-204 Statement of Distinctness:

GC-204 is an early cotton variety with determinate growth habit and short in stature as compared to check varieties, STV-474 and SG-125. It is moderately susceptible to lodging and tolerant to Verticillium wilt. GC-204 out yielded STV-474 with superior fiber qualities in length, uniformity, and elongation. GC-204 out yielded SG-125 and has better fiber qualities in uniformity, strength, and elongation.

Revised Exhibit B: Statement of Distinctness

Variety: GC-204

GC-204 is most similar to ST 474, however, the two varieties can be distinguished by the following traits:

Trait	GC-204	ST 474
Fruiting Branch	Clustered	Normal
Stem Lodging	Intermediate	Erect
Leaf Color	Dark Green	Light Green
Pubescence	Sparse	Dense

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB N. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

EXHIBIT C (COTTON)

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY COTTON (Gossypium spp.)

NAME OF APPLICANT(S):			TEMPORAR	Y	VARIETY NAME	:
Pioneer Hi-Bred	9 Internation	nal,Inc	DESIGNATIO	ON:	GC-204	
ADDRESS (Street and No., or R.F.D.	No., City, State, & ZIP Cod	ie):			OFFICIAL USE (DNLY
				2	D NUMBER OOOOOV	
Place the appropriate data that descrincluding numerical measurements, a recognized color fan may be used to be measured.	should represent those that determine plant colors. Ch	are typical fo aracters mai	or the variety rked with an	. Royal Horticulti asterisk (*) indic	ral Society or an ate necessary ch	y aracters to
SPECIFIC VARIETIES USED FOR C varieties which are adapted to your a	OMPARISON AS CHECK Virea. One of the comparisor	/ARIETIES I n varieties m	N THIS APP ust be the m	LICATION: (Use ost similar variety	standard regiona used in Exhibit E	l check 3.
Variety 1: ST 474	Variety 2:			Variety 3:		
* 1. SPECIES:	G. hirsutum L.			C 1	arbadense L.	
or 20120.	G. Illisutam L.			G. L	arbaderise L.	
* 2. AREA(S) OF ADAPTATION: (A	= Adapted, NA = Not Adap	ted, NT = No	ot Tested)			
A Eastern	Α	Delta	A	Central	Ris	acklands
Plains		Western	A	Arizona	· · · · · · · · · · · · · · · · · · ·	n Joaquin
Other (Specify)	•		<u> </u>		•
2 CENEDAL Characteristics List						
3. GENERAL: Characteristics which	are known to be variable, b	out are still us	setul for a m	eaningful descrip	ion of variety.	
	Application Variety	Compariso	on Variety 1	Comparison Var	etv 2 Comparis	on Variety 3
Plant Habit:	Intermediate	Intermediat	te			
Spreading, Intermediate, Compact Foliage:		<u> </u>				
Sparse, Intermediate, Dense	Intermediate	Intermediat	ie			
Stem Lodging: Lodging, Intermediate, Erect	Intermediate	Erect				
Fruiting Branch: Clustered, Short, Normal	Cluster	Normal				
Oldotored, Offort, Northal					<u> </u>	

3. GENERAL: (Continued)

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Growth:	Determinate	Indeterminate		
Determinate, Intermediate, Indeterminate				
Leaf Color:	Dark Green	Light Green		
Greenish yellow, Light green, Medium green,	Bank Green	Light Oreen		
Dark green				
Boll Shape:	Length=Width	Length>Width		
Length less than width, Length equal to			-	
width, Length more than width				
Boll Breadth:	Broadest at Middle	Base		
Broadest at base, Broadest at middle				
*4. MATURITY: (50% Open bolls; Preferred r	nethod; Describe method i	f different method was used	.)	
Date of 50 % open bolls	1	I	1	1
5. PLANT:				
*· · =·	1		1	i
Cm to 1 st Fruiting Branch:	10.8			
(from cotyledonary node)				
No. of Nodes to 1st Fruiting Branch:	6			
(excluding cotyledonary node)				
Mature Plant Height cm:	80			
(from cotyledonary node to terminal)	1			
* 6. LEAF: Upper most, fully expanded leaf.		· · · · · · · · · · · · · · · · · · ·	1	·
Type:	Normal	Normal		
Normal, Sub Okra, Okra, Super Okra				
Pubescence:		1_		
Absent, Sparse, Medium, Dense OR	Sparse	Dense		
Trichomes/cm ² (Bottom surface excluding				
veins)	1			
Nectaries:	Present	Present		
Present or Absent * 7. STEM PUBESCENCE		<u> </u>		
7. STEW PUBESCENCE	Intermediate	l lain.		
	Intermediate	Hairy I	1	1
Glabrous, Intermediate, Hairy				
*8. GLANDS: (Gossypol) Absent, Sparse, Nor	mal. More than Normal			
, , , , , , , , , , , , , , , , , , , ,		1	+	
Leaf:	Sparse	Normal		
Stem:	Sparse	Sparse		
Calyx Lobe:	Normal	Normal		
(normal is absent)				
'9. FLOWER:	1 -			•
Datala.	Cream	Cream		
Petals:				
Cream, Yellow				
Pollen:	Cream	Cream		
Cream, Yellow Petal Spot:	Abaant			
Petal Spot: Present, Absent	Absent	Absent		
Freedin, Ausent	<u> </u>			

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10. SEED:	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Seed Index: (g/100 seeds, fuzzy basis)	11.26			
Lint Index: (g lint/100 seeds)	6.99	·		***************************************
11. BOLL:				
Lint Percent: X Picked Pulled	38.28			
OR				
Gin Turnout: x Picked Stripped	32.3			
Number of Seeds per Boll:	33.9			
Grams Seed Cotton per Boll:	6.15			
Number of Locules per Boll:	4.62			
Boll Type: (Stormproof, Storm Resistant, Open)	Open	Open		
12. Fiber Properties: Specify Method (HVI or other) HVI				
*Length: (inches, 2.5% SL)	1.17	1.15		
*Uniformity: (%)	84.5	81.0		
*Strength, T1 (g/tex)	29.6	30.0		
*Elongation, E1 (%)	7.1	6.4		
*Micronaire:	4.85	3.99		
Fineness (Source)				
Yarn Tenacity: (cN/tex, 27 tex)				
Yarn Strength: (lbs. 22's)				
13. DISEASES: (NT = Not Tested, S = Suscep	tible. MS = Moderately su	sceptible MR = Moderately	Resistant R = Resistant)	<u> </u>
NT Alternaria macrospora			arium Wilt	
NT Anthracnose			matotrichum Root Rot	
NT Ascochyta Blight			nium (specify species)	
NT Bacterial Blight (Race 1)			octonia solani	
NT Bacterial Blight (Race 2)			thwestern Cotton Rust	
NT Bacterial Blight (Race)			layiopsis basicola	
13. DISEASES: (continued) NT = Not Tested,	, S = Susceptible, MS = M			= Resistant
NT Diplodia Boll Rot			icillium Wilt	
Other (specify)				
 NEMATODES, INSECTS, AND PESTS: (R = Resistant) 	NT = Not Tested, S = Sus	ceptible, MS = Moderately	susceptible, MR = Modera	tely Resistant,
NT Root-Knot Nematode		NT Ren	iform Nematode	
NT Boll Weevil			sshopper (specify species)	
NT Bollworm			is (specify species) _	
NT Cotton Aphid			Bollworm	
NT Cotton Fleahopper			er Mite (specify species)	•
NT Cotton Leafworm	•			
NT Cutworm (specify species):			Reposity species)	
NT Fall Armyworm			os (specify species)	
Other (specify):		NT Toba	acco Bud Worm	
Outer (appears).				

^{15.} COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

TABLE 1.

1996 Germain's Cotton Seeds, Advanced Strains Test, Buttonwillow, California

PARAMETERS	GC-204	MAXXA	LSD (.05)	. % CV
Lint Yield (lbs/A) Lint (T/0)	1565 36.9	1354 39.0	199 1.9	7.2 2.0
Fiber Quality: Length - HVI	1.15	1.18	0.03	. 1.5
Uniformity - HVI	83.1	83.8	0.75	0.9
Strength - HVI	30.7	36.5	3.7	3.8
Elongation - HVI	6.2	5.0	0.9	5.2
Micronaire - HVI	4.2	4.2	0.01	2.2

TABLE 2.

1997 Performance of Cotton Strains in Commercial Strains Test, Clarkedale, Arkansas

PARAMETERS	GC-204	ST-474	LSD (.05)	CV	
Lint Yield (lbs/A) Lint (T/0)	1063 37.4	1041 40.7	123 2.3	13.3	
Fiber Quality:					
Length - HVI Uniformity - HVI Strength - HVI Elongation - HVI	1.17 84.0 29.7 7.1	1.15 81.0 30.0 6.4	0.03 1.5 2.3 0.7	1.7 1.1 4.5 6.1	
Micronaire - HVI	4.49	3.99	0.56	8.3	

TABLE 3

1997 Performance of Cotton Strains in Commercial Strains Test, Marianna, Arkansas

PARAMETERS	GC-204	SG-125	LSD (.05)	% CV
Lint Yield (lbs/A) Lint (T/0)	1341 37.8	1313 40.0	84 1.6	7.1 2.3
Fiber Quality:				
Length - HVI	1.17	1.19	0.03	1.7
Uniformity - HVI	85.0	82.0	1.6	1.1
Strength - HVI	29.5	29.1	1.9	3.8
Elongation - HVI	7.1	6.9	0.6	5.1
Micronaire - HVI	5.22	4.95	0.25	3.1

TABLE 4

1997 Germain's Cotton Advanced Strains Test, Buttonwillow, California

PARAMETERS GC-204 MAXXA (.05) CV	
Lint Yield (lbs/A) 1540 1543 45 7.1	
Lint (T/0)	
Fiber Quality:	
Length - HVI 1.13 1.19 0.06 0.8	
Uniformity - HVI 83.4 84.0 0.5 0.9	
Strength - HVI 30.2 34.1 0.8 3.2	-
Elongation - HVI 6.4 6.2 0.1 2.6	
Micronaire - HVI 4.1 3.9 0.11 4.1	

TABLE 5

1998 Germain's Cotton Advanced Strains Test, Farming "D", California

PARAMETERS	GC-204	MAXXA	LSD (.05)	% CV
Lint Yield (lbs/A) Lint (T/0)	1407	1080	280	8.8
	32.2	35.7	2.8	4.8
Fiber Quality:				
Length - HVI	1.13	1.19	0.02	1.5
Uniformity - HVI	83.0	83.5	0.06	5.1
Strength - HVI	35.8	37.3	0.4	4.8
Elongation - HVI	5.5	5.6	0.1	4.1
Micronaire - HVI	5.1	4.5	0.5	1.8

Table 6

Average of Germain's Cotton Seed Trials Covering a 3 year period

PARAMETERS	GC-204	MAXXA
Lint Yield (lbs/Acre)	1504	1326
Length - HVI	1.14	1.19
Uniformity - HVI	83.6	83.8
Strength - HVI	32.2	35.9
Elongation - HVI	5.9	5.3
Micronaire - HVI	4.7	4.2

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FORM APPROVED - OMB

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paper Reduction Act (PRA) of 1995.	
· -		
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).	
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	2. VARIETY NAME
Pioneer Hi-Bred International, Inc.	GC-204	GC-204
3. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
7100 N.W. 62 nd Ave.	(515) 253-5870	(515) 334-6883
P.O. Box 1000	7. PVPO NUMBER	
Johnston, IA	_	
50131-1000	2 O n	000176
USA	1	900110
8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. YES NO		
9. Is the applicant (Individual or company) a U.S. National or a U.S. based company? If no, give name of country YES NO		
10. Is the applicant the original owner? YES NO If no, please answer one of the following:		
a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?		
YES NO If no, give name of country		
b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?		
YES NO If no, give name of country		
11. Additional explanation on ownership (If needed, use the reverse for extra space):		
		•
Please Note:		
Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:		
 If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species. 		
 If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species. 		
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.		
The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.		

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

Exhibit E: Statement of the Basis of Ownership Additional Information

Variety: GC-204

Item 11:

GC-204 was developed by several researchers under the employment of Germain's Cotton Seed, Inc. Germain's Cotton Seed, Inc., retained all rights and privileges pertaining to the variety. These rights and privileges were transferred to Pioneer Hi-Bred International, Inc. via contract in October, 1998.